Recommended Analgesic Agents

Analgesics	Species	Agent	Description - dose, route of administration, frequency	Reference
	Mice	Buprenorphine	0.05 - 0.1 mg/kg SC q 8-12 hours	(FL)
	Mice	Codine	20 mg/kg SC q 4 hours	(FL)
	Rats	Buprenorphine	0.01- 0.05 mg/kg SC q 8-12 hours or 0.1-0.25 mg/kg PO q 8-12 hrs	(F)
	Rats	Codine	60-90 mg/kg SC q 4 hours	(FL)
	Rats	Carprofen	5 mg/kg SC once	(F)
	Hamster	Buprenorphine	0.05 - mg/kg SC q 8-12 hours	(FL)
	Guinea Pig	Buprenorphine	0.04 - 0.05 mg/kg SC or IM q 8-12 hours	(F)
	Guinea Pig	Codine	25-40 mg/kg SC q 4 hours	(L)
	Guinea Pig	Meperidine	10-20 mg/kg SC q 2-3 hr	(FL)
	Ferrets	Buprenorphine	0.01 - 0.03 mg/kg SC or IV q 8-12 hours	(F)
	Ferrets	Flunixin Meglamine	0.5-2 mg/kg SC q 12-24 hrs (3 days maximum use)	(F)
	Rabbits	Buprenorphine	0.01 - 0.03 mg/kg IM, IV or SC q 8-12 Hours	(F)
	Rabbits	Fentanyl Patch 25 ug	Exposed 1/2 of 25 ug/ 3 kg Apply 8-12 hours pre-surgery, replace every 3 days if pain control is still needed	(VR)
	Rabbits	Carprofen	1.5 mg/kg PO q 12 hours	(F)
	Rabbits	Flunixin Meglumine	1.1 mg/kg IM q 12 hours (72 hours max)	(F)
	Dogs	Buprenorphine	0.01 - 0.02 mg/kg IM, IV or SC q 6-12 hours	(F)
	Dogs	Fentanyl Patch	5-10 kg = 25 ug, 10-29 kg = 50 ug, 20-30kg = 75 ug, > 30kg = 100 ug Apply 12 hrs pre-surgery and replace Q 72 hr if needed	(L)
	Dogs	Carprofen	4 mg/kg IV or SC then 2.2 mg/kg PO SID	(manufacturer, F)
	Pigs	Buprenorphine	0.005 - 0.02 mg/kg IM q 6-12 hours	(F)
	Pigs	Carprofen	2 -4 mg/kg IM, IV q 24 hours	(F)
	Sheep	Flunixin	2 mg/kg IV or SC q 12-24 hrs (72 hours max use)	(F)
	Sheep	Buprenorphine	0.01-0.01 mg/kg IM, SQ q 4-6 hours	(FL)
	Macaques	Buprenorphine	0.005 - 0.01 mg/kg IM ,IV or SC q 6-12 hours	(F)
	Macaques	Butorphanol	0.01mg/kg IV q 3-4 hours	(FL)
	Macaques	Naproxen	10 mg/kg PO q 12 hours	(FL)
	Macaques	Oxymorphine	0.15 mg/kg IM q 4-6 hours	(AC)
	Macaques	Demerol	2 mg/kg IM q -4 hours	(AC)
	Macaques	Carprofen	2.2 mg/kg SC or PO q 24 hours	
	Baboons	Buprenorphine	0.01-0.03 mg/kg SC q 6-8 hour	(AC)
	Baboons	Oxymorphine	0.15 mg/kg IM , SC, IV q 4-6 hrs	(AC)
	Baboons	Flunixin	2-4 mg/kg IM sid	(F)
	Baboons	Naproxen	10 mg/kg PO q 12	(FL)
	Xenopus	Morphine	28 mg/kg SC q 8 hours	(AM)

F: Laboratory Animal anesthesia, P.Flecknell, 1996, 2000 reprint
L: Veterinary Anesthesia, Lumb & Jones. 1996
FL: Formulary For Laboratory Animals, Hawk, Leary 1999
AC: Anesthesia and Analgesia in Laboratory Animals, American College of Laboratory Animal Medicine 1997
AM: Amphibian Medicine and Captive Husbandry, Wright & Whitaker 2001